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23


Application Number	10/049,245
Filing Date	06/24/2002
First Named Inventor	Johan-Valentin Kahl
Art Unit	1753
Examiner Name	Barton, Jeffrey Thomas
Attorney Docket Number	GRUNP18

ENCLOSURES (Check all that apply)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
10/049,245	06/24/2002	Johan-Valentin Kahl	GRUNP18	9295
Invention		Examiner		Art Unit
Method and Device for the Electrophoretic Separation of Particles, Especially of Macromolecules		Barton, Jeffrey Thomas		1753

AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Examiner's Action mailed October 1, 2004, please amend the application as follows:

Application No. 10/049,245
Amendment

Page 2

Amendments to the Written Description

Please amend the written description as follows:

The paragraph on page 1, beginning at line 4:

The present invention relates to a method and an apparatus for separating particles, in particular, macromolecules, such as DNA, RNA macromolecules, DNA, RNA ~~oligomere~~ oligomers and proteins by electrophoresis.

The paragraph on page 11, beginning at line 19:

In the following a first embodiment of the method for the electrophoretic separation of ~~macromolecules~~ macromolecules is described with reference to Figure 1.

The paragraph beginning on page 13 at line 25:

In the embodiments of Figure 3 a substrate is used the ribs of which exhibit a periodicity in the range of 2 nm to 200 nm. The height of the ribs thereby ranges from 0.1 nm to 10 nm. In a substrate comprising the above indicated plastics, the structuring can be formed by, for example, imprinting a ~~dye~~ die containing the negative of the desired form. To this end, the plastic is preferably heated. A silicon wafer cut in the (111) plane and etched with KOH may be used as the ~~dye~~ die.

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